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COMMERCIAL / INDUSTRIAL

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IMPORTANT!

ntenance and adjust by BLACK & DECKER always using BLACK ETY and RELIABILITY, re replacement) should be refrequalified service organt parts. product SAFETY anding brush replainters or other quieplacement par

CENTERS SERVICE S ES SAL FACTORY

| Area | 201 | 505 | 518 | 516 | 516 | 212 | 212 | 716 | 516 | 8 8 | 919 | | 216 | | | | 918 | 503 | 215 | 717 | 215 | 412 | . 215 | ٠. ١ | 615 | 96 | . 615 | 214 | 214 | 915 | 713 | | | 804 | 200 | 509 | 304 | 414 |
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| | s Falls) 07424, Kt. 46 East, Notch Rd. ay 22 West | (1 Block West of Flagship) NEW MEXICO. Albuquerque 87107, 2812 Candelaria Road N.E | NEW TORKS. Automity Learnam, Last Jos. 836 Troy-Schenectady Rd. 847 Troy-Schenectady Rd. Buffalo 14209, 881 W. Delavam Ave. | Great Neck 11021, 98 Cuttermin Rd. (Sares Only) Home Products Division. | Automotive Division | New York 11590, 1059 Old Country Road (Westbury, L.I.) New York 10462, 1894 E. Tremont Avenue (Bronx) | New York 10014, 227 Varick St. (Manhattan) New York 11377, 56-15 Queens Blvd. (Woodside). | Rochester 14620, 476 Clinton Ave. S. | Syracuse 13224, 2140 Erie Bivd. E Westbury 11590, 1059 Old Country Rd. (L.I.). | NORTH CAROLINA: Charlotte 28206, 1710 N. Graham St. | Fayetteville 26302, P.O. Box 424, Highway 301, 3. Greensboro 27403, 1010 W. Lee Street | Raleigh 27604, 2420 Atlantic Avenue | OHIO: Cincinnati 45203, 1225 Western Ave. | Columbus 43227, 3975 E. Livingston Ave. | Dayton 45409, 2898 South Dixie Drive. | OKLAHOMA: Oklahoma City 73106, 1318 Linwood Blvd. | Tulsa 74145, 3120 South Sheridan Road | OREGON: Portland 97209, 1640 N.W. Johnson Street. | PENNSYLVANIA: Alientown (Whitehall) 18052, 2242 MacArthur Rd | Harrisburg 17112, 6070 Allentown Blvd. | Lancaster 17604, 715 Fountain Ave. Philadelphia 19103 333 No 20th Street (Service only) | Pittsburgh 15232, 5437 Baum Blvd. | Wayne 19087, 125 Strafford Avenue, Strafford Building #3 (Sales only) | RHODE ISLAND: E. Providence 02914, 2777 Pawtucket Ave | SOUTH CAROLINA: Greenville 29601, 407 Pendleton St | Memphis 38116, 986 East Brooks Rd | Nashville 37203, 601 Eighth Ave. S. | TEXAS: Amarillo 79106, 3008 West 6th Ave. Dallae 75207 1808 N Industrial Rivd (Service only) | Dallas 75247, 7701 Stemmons Freeway (Sales only). | El Paso 79925, 1400 Magruder Street | Houston 77003, 105 Sampson Street | San Antonio 78201, 500 Culebra Avenue | VIRGINIA: Falls Church 22046, 129 Annandale Roed | Norfolk 23513, 7631 Sewells Point Road | WASHINGTON: Seattle 98109 701 Third Ave. N. | Spokane 99207, 3550 North Market Street | WEST VIRGINIA: Charleston 25312, 1638 Sixth Ave. | WISCURSIN: MIWAUREE (West Alls) 53527, 10903 W. Lincoln Ave |
| Area Telephone Code No. | 942-0538 258-1332 372-3040 | 224-2152 | 749-03/1 749-7638 276-1610 | 787-9700 444-3188 | 241-9162 | 871-7278 787-5531 | 222-0621 | 249-6241 | | 779-3808 | 340-7377 | 356-2951 | 423-1651 | 872-8317 | 524-0431 762-1728 | 536-9374 | 261-8630 | 673-0923 | 827-0083 | 788-1744 | 425-4269 845-5100 | 632-5569 | 244-7257 | 366-1495 | | 837-2550 | 485-550 | 779-3808 | 828-2910 | 782-6264 | 534-8880 | 789-6191 | 534-7708 | | | 739-4661 | | 291-2772 345-2330 |
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| VEBRASKA: Omaha 68102, 2218 Leavenworth Street 402 345-2330 | BLACK & DEDKER M CALCARY, ALBERTA, CALCARY, ALBERTA, 1003 11th Avenue, S. W. CALCARY, ALBERTA, 1003 11th Avenue, S. W. EDMONTON, ALBERTA, 1014 Ave.—142 Street HAMILTON, NOVIARIO 1010 Parkable Ave., N. LONDON, ONTARIO 631 Commissioners Rd., East |

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HEAVY-DUTY

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removed from tool before turning it on.

- 19. OUTDOOR USE EXTENSION CORDS-When tool is used outdoors, use only extension cords suitable for use outdoors and so marked.
- 20. DO NOT OPERATE portable electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

EXTRA SAFETY RULES FOR HAMMERS

- 1. Wear safety goggles or other eye protection.
- periods.
- 3. Always lock the tool retainer before using Hammer.
- folds, to do the job SAFELY!
- when touching them.

1. KNOW YOUR POWER TOOL - Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.

- 2. GROUND ALL TOOLS UNLESS DOUBLE-INSULATED, If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a known ground. Never remove third prong.
- 3. KEEP GUARDS IN PLACE and in working order.

SAFETY RULES

FOR POWER TOOLS

- KEEP WORK AREA CLEAN. Cluttered areas and benches
- 5. AVOID DANGEROUS ENVIRONMENT. Don't expose power tools to rain. Don't use power tool in damp or wet locations. And keep work area well lit.
- 6. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
- 7. STORE IDLE TOOLS. When not in use, tools should be stored in dry, high or locked-up place - out of reach of
- 8. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
- 9. USE RIGHT TOOL. Don't force small tool or attachment to do the job of a heavy duty tool.
- 10. WEAR PROPER APPAREL. No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- 11. USE SAFETY GLASSES with most tools. Also face or dust mask if cutting operation is dusty.
- 12. DON'T ABUSE CORD. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- 13. SECURE WORK. Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to
- 14. DON'T OVERREACH. Keep proper footing and balance at all times
- MAINTAIN TOOLS WITH CARE. Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. DISCONNECT TOOLS. When not in use, before servicing; when changing accessories such as blades, bits, cutters,
- 17. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are
- 18. AVOID ACCIDENTAL STARTING. Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

- 2. Wear ear protectors when hammering for extended
- 4. Always use the side handle supplied with the tool. Keep a firm grip on the Hammer when it is operating.
- 5. Don't overreach with the Hammer. Maintain a firm balanced working stance. When necessary, use only properly positioned, safe platforms, ladders and scaf-
- 6. Hammer bits and tools get hot in operation. Wear gloves
- 7. Regularly check tightness of all external screws.

MOTOR

Your Black and Decker tool is powered by a B&D-built motor. Be sure your power supply agrees with voltage marked on nameplate. Volts 50/60 Hz means Alternating Current ONLY. VOLTS DC-60 Hz means it will also operate on Direct Current. Voltage variation of more than 10% will cause loss of power and overheating. All B&D tools are factory-tested; if this tool does not operate, check the power supply.

CARBON BRUSHES

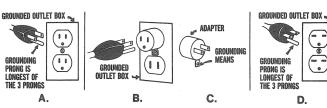


Unplug Hammer. To inspect carbon brushes, unscrew the four Brush Cover Band Screws and remove bands from housing. Unscrew brush caps and remove brush springs and brushes. Inspect carbon brushes often. Replace when brushes are worn down to the identifying letter or groove or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding freely in guides.

GROUNDING

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure D. An adapter, Figures B and C, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box. No adapter is available for a plug as shown in Figure D. Adapter shown in Figures B & C is Not for Use in Canada.



We recommend that you NEVER disassemble the tool or try to do any rewiring in the electrical system. Any repairs should be performed only by B&D Service Centers or other qualified service organizations. Should you be determined to make a repair yourself, remember that the green colored wire is the "grounding" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to connect the green wire only to the grounding (longest) prong on a 3-prong plug.

EXTENSION CORD

When using the tool at a considerable distance from power source, an extension cord of adequate size must be used to prevent loss of power and over-heating. Use the table below to determine the power wire size required in an extension cord.

Use only three wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged cords.

| Ampere rating (on nameplate) | 0 to 2.0 | 2.10 to 3.4 | 3.5 to 5.0 | 5.10 to 7.0 | 7.10 to 12.0 | 12.1 to 16.0 |
|------------------------------|-------------|----------------|---------------|----------------|-----------------|-----------------|
| Ext. Cable length | | | Wire Size | e (A.W.G.) | | |
| 25 ft. | 18 | 18 | 18 | 18 | 16 | 14 |
| 50 ft. | 18 | 18 | 18 | 16 | 14 | 12 |
| 75 ft. | 18 | 18 | 16 | 14 | 12 | 10 |
| 100 ft. | 18 | 16 | 14 | 12 | 10 | |
| 150 ft. | 16 | 14 | 12 | 12 | | |
| 200 ft. | 16 | 14 | 12 | 10 | - | |

INSERTING HAMMER TOOLS

First, swing the Tool Retainer downward—see Fig. E. Insert Hammer Tool shank into nose piece until shoulder on shank bottoms on nose piece. Swing the Tool Retainer back into place so that it engages the shank of the Hammer Tool.





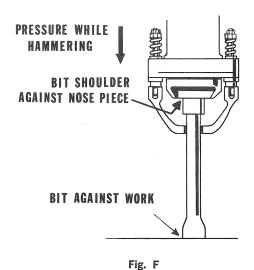
ig. E

OPERATION

The Super Hammer may be used for demolition, for drilling holes in concrete and other applications requiring a hammering action—see Hammer Tools on next page. The Side Handle may be mounted on either side of the Hammer for greater convenience in floor work and should be tightened firmly with a wrench to prevent loosening when in operation. For horizontal hammering support the tool with one hand under the barrel. (CAUTION: Wear gloves. Barrel becomes hot during use.) The motor is operated by a trigger switch which, when depressed, turns the tool ON, releasing the trigger turns the tool OFF.

Note Carefully the Following:

- 1. In some cases when going from on idling action to a hammering action, it may be necessary to momentarily release the trigger to resume beating.
- 2. The output of this Hammer has been increased appreciably over previous types. With this increased power the following points are important:



A. When hammering, push the Hammer forward or downward with just enough pressure to keep the shoulder of the bit against the Hammer nose piece (Fig. F). Excessive pressure will actually decrease work output.

3

OPERATION (Continued)

B. When drilling holes with star drill, swing the accessory turning handle in an arc of between 100° and 180° from 40 to 60 times per minute. This will prevent binding and remove the cuttings.

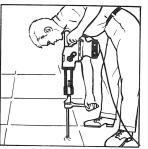


Fig. G

C. For best demolition performance always place the end of the bit close to an edge of the work, breaking the work away piece by piece. Trying to break away too large a chunk may cause the bit to get stuck in the work and may also decrease demolition rate.





LUBRICATION

Your Hammer has been designed to operate for an extended period of time before requiring relubrication. We recommend that after every 75 hours of operation the grease reservoir on the top of the gear case be checked. See Fig. H for disassembly.

Remove the felt wiper and fill the cavity with B&D Gear Grease (See Hammer Supplies). The felt wiper should be soaked in B&D Special Hammer Lubricating Oil.

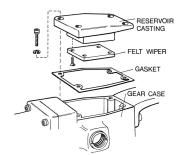


Fig. H

During periods of heavy overhead use, a few squirts of B&D Hammer Oil (See Supplies) should be applied through the nose piece (Fig. J).



Fig. J

In approximately 3 months (depending upon use) your Hammer should be sent to your local B&D Service Center for a complete cleaning and relubrication. The Hammer will be returned to you completely cleaned and adjusted with new parts installed where necessary.

STAR DRILLS

For $1\frac{1}{4}$ " to $2\frac{1}{2}$ " holes —

| Point Diam. | Overall Length | Quan. in box | Shanks fit directly |
|----------------|---|--|--|
| 11/4" | 18" | 1 | •• |
| 11/4" | | 1 | into Hammer |
| 13/8" | 18" | 1 | nose piece. |
| 13/8" | 30" | 1 | nose piece. |
| 11/3" | 18" | 1 | |
| 11/3" | 30" | 1 | |
| 13/4" | 18" | 1 | Use Turning |
| 13/4" | 30" | 1 | |
| 2" | 18" | l ī | Handle No. 33745 |
| 2" | 30" | l ī | |
| 21/2" | 19¼" | ī | |
| | Diam. 1 1/4" 1 1/4" 1 3/8" 1 3/8" 1 1/2" 1 1/2" 1 1/2" 1 3/4" 2 2" 2 " | Diam. Length 14" 18" 14" 30" 18" 14" 18" 14" 16" | Diam. Length in box 1¼" 18" 1 1¼" 30" 1 1¾" 18" 1 1½" 18" 1 1½" 18" 1 1½" 18" 1 1¼" 30" 1 1¼" 30" 1 2" 18" 1 2" 30" 1 2" 30" 1 |

For 11/16" to $1\frac{1}{2}$ " holes —

| - | Cat. No. | Point Diam. | Overall Length | Quan. in box | |
|---|--|---|---|---|--|
| | 24673 23081 23082 23083 7172 7097 9388 9390 7173 7096 9396 9398 10751 10981 | 11/6" 3/4" 3/4" 3/4" 17/6" 7/6" 7/6" 15/6" 1" 11/2" 11/2" | 9" 9" 18" 24" 9" 18" 24" 9" 18" 24" 12" 24" | 6 6 1 1 6 1 1 6 1 1 6 | Tapered shanks require extra Chuck Head No. 33747. Turning Handle No. 33745 |
| | 50069 | 11/2" | 14" | i | 10. 33745 |

HAMMER TOOLS

| | BULL-POINT For demolition drilling. | Cat. No. 33662 12" long Cat. No. 33663 20" long |
|---|--|---|
| | CONCRETE SLOTTING TOOL—For slotting in concrete and breaking "web" between star drill holes to break large openings in walls, etc. | Cat. No. 33670 1½" blade, 18" long |
| | SCALING CHISELS For removing scale and weld spatter. | Cat. No. 34858 2½" blade, 12" long |
| | COLD CHISELS For chipping, edging, channeling. | Cat. No. 33659 7's" blade, 20" long Cat. No. 34857 7's" blade, 12" long |
| | BUSHING TOOL For surfacing concrete. BUSHING HEAD ONLY Cat. No. 10684 \$8.40 | Cat. No. 57122 14½" long |
| | CLAY SPADE—For digging holes in dirt and clay. | Cat. No. 54296 4½" wide, 5½" long 18" overall length |
| TOOL BLANKS—Can be f shapes required for speci | | Cat. No. 33666 12" long |

SELF-DRILLING ANCHORS

The 5025 Hammer will install these anchors with the proper chuck, available to fit each size anchor. Please contact your local distributor for complete information.

HAMMER SUPPLIES

SPECIAL HAMMER LUBRICATING OIL

No. 51314, 4 oz. No. 51315, 16 oz.

GEAR GREASE

No. 60102, 6 oz. Tube. No. 60541, 1 lb. Can. No. 60542, 5 lb.Can.

DUST SHIELD — For overhead drilling, to keep dust out of nose piece. No. 17747.

DRIFT KEY — To remove tapered shank bits from chuck head. No. 7276 for chuck wrench.

ACCESSORIES

Recommended accessories for use with your Hammer are listed in this manual. CAUTION: The use of any other accessory or attachment might be hazardous.